

09/ 835,523

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NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 09 JAPIO to be reloaded August 18, 2002

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
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NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 15:55:33 ON 13 AUG 2002

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

09/ 835,523

FILE 'REGISTRY' ENTERED AT 15:56:05 ON 13 AUG 2002  
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STRUCTURE FILE UPDATES: 12 AUG 2002 HIGHEST RN 443729-39-3  
DICTIONARY FILE UPDATES: 12 AUG 2002 HIGHEST RN 443729-39-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

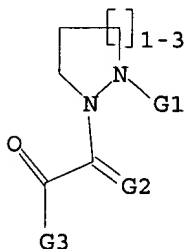
Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES  
for more information. See STNote 27, Searching Properties in the CAS  
Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>  
Uploading 09835523.str

L1 STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1 STR



G1 C,O,S,N,P,Cy  
G2 O,S  
G3 C,H,Cy

Structure attributes must be viewed using STN Express query preparation.

=> s l1  
SAMPLE SEARCH INITIATED 15:56:31 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 145 TO ITERATE

100.0% PROCESSED 145 ITERATIONS 2 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2178 TO 3622  
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 ful  
FULL SEARCH INITIATED 15:56:37 FILE 'REGISTRY'

09/ 835,523

FULL SCREEN SEARCH COMPLETED - 3029 TO ITERATE

100.0% PROCESSED 3029 ITERATIONS  
SEARCH TIME: 00.00.06

27 ANSWERS

L3 27 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
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FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 15:56:49 ON 13 AUG 2002  
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FILE COVERS 1907 - 13 Aug 2002 VOL 137 ISS 7  
FILE LAST UPDATED: 12 Aug 2002 (20020812/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s l3

L4 6 L3

=> d l4 1- ibib abs hitstr

YOU HAVE REQUESTED DATA FROM 6 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:172490 CAPLUS

DOCUMENT NUMBER: 136:232310

TITLE: Preparation of N-substituted cyclic aza compounds having neuronal activity

INVENTOR(S): Wu, Yong-qian; Huang, Wei; Hamilton, Gregory S.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 54 pp., Cont.-in-part of U. S. Ser. No. 551,618.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

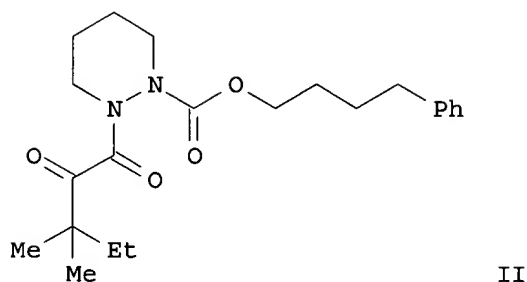
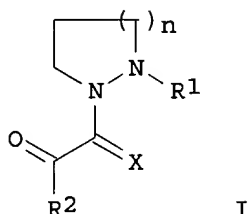
FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002028814	A1	20020307	US 2001-835523	20010417

09/ 835,523

US 6417189 B1 20020709 US 2000-551618 20000417  
PRIORITY APPLN. INFO.: US 1999-164950P P 19991112  
US 2000-551618 A2 20000417  
OTHER SOURCE(S): MARPAT 136:232310  
GI



AB Title compds. I [ $n = 1-3$ ;  $R_1 = CR_3, CO_2R_3, COR_3$ , etc.;  $R_2, R_3 = H$ , alkyl, alkenyl, etc.;  $X = O, S$ ], useful for effecting neuronal activities, were prep'd. Thus, II was prep'd. via a multi-step synthesis from tert-Bu 2-benzylperhydropyridazinecarboxylate. Biol. data for I (results of test for rotamase inhibition and MPTP model of Parkinson's disease) were given. E.g., II possessed a  $K_i$  value of 1175 nM in inhibition studies of rotamase and a 14% TH recovery in MPTP models.

IT 340255-68-7P 340255-88-1P 340255-89-2P  
340255-90-5P 340255-91-6P 340255-92-7P  
340255-93-8P 340255-94-9P 340255-95-0P  
340255-96-1P 340255-99-4P 340256-00-0P  
340256-01-1P 340256-02-2P 340256-03-3P  
340256-04-4P 340256-07-7P 340256-09-9P

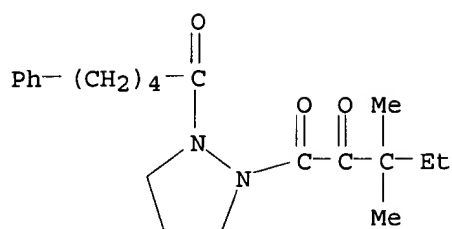
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of N-substituted cyclic aza compds. having neuronal activity)

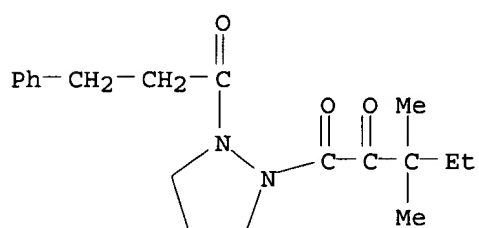
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CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-5-phenylpentyl)-(9CI) (CA INDEX NAME)

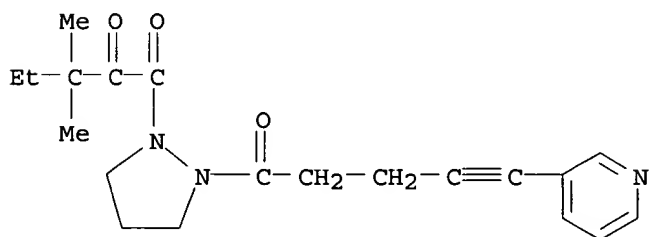
09/ 835,523



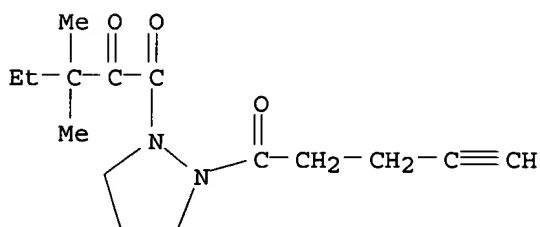
RN 340255-88-1 CAPLUS  
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-3-phenylpropyl)-  
(9CI) (CA INDEX NAME)



RN 340255-89-2 CAPLUS  
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)-4-pentynyl]-  
(9CI) (CA INDEX NAME)

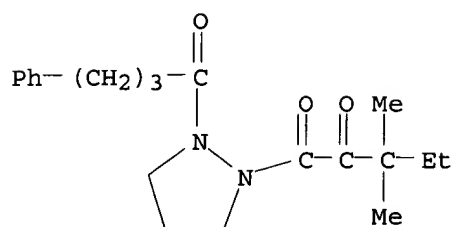


RN 340255-90-5 CAPLUS  
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(9CI) (CA INDEX NAME)



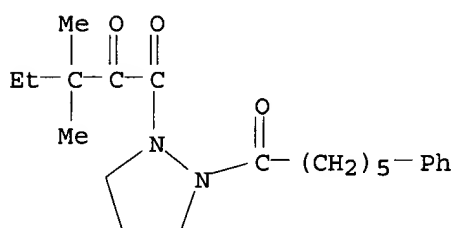
RN 340255-91-6 CAPLUS  
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(9CI) (CA INDEX NAME)

09/ 835,523



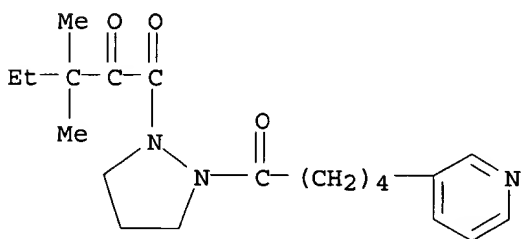
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CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-6-phenylhexyl)-  
(9CI) (CA INDEX NAME)



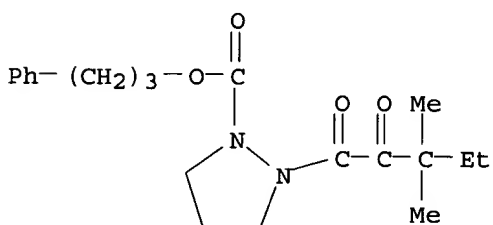
RN 340255-93-8 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)pentyl]- (9CI) (CA INDEX NAME)



RN 340255-94-9 CAPLUS

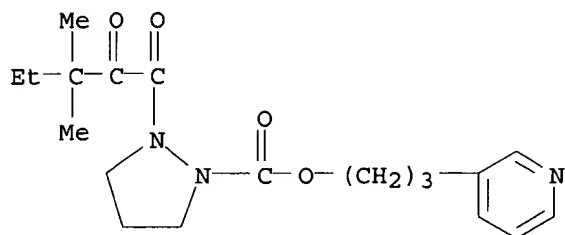
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



RN 340255-95-0 CAPLUS

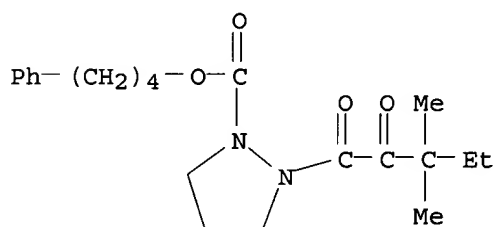
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-(3-pyridinyl)propyl ester (9CI) (CA INDEX NAME)

09/ 835,523



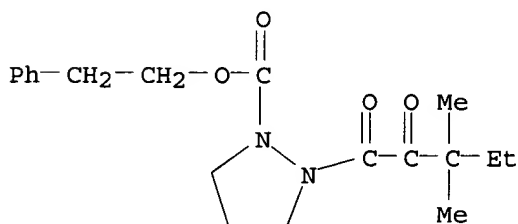
RN 340255-96-1 CAPLUS

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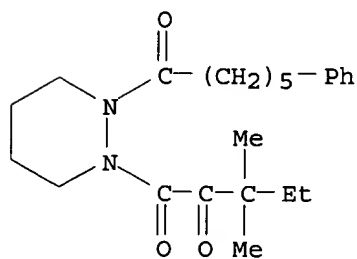
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CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 2-phenylethyl ester (9CI) (CA INDEX NAME)



RN 340256-00-0 CAPLUS

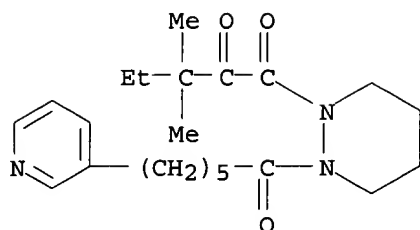
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-phenylhexyl)- (9CI) (CA INDEX NAME)



RN 340256-01-1 CAPLUS

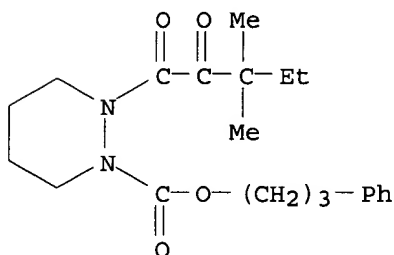
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)hexyl]- (9CI) (CA INDEX NAME)

09/ 835,523



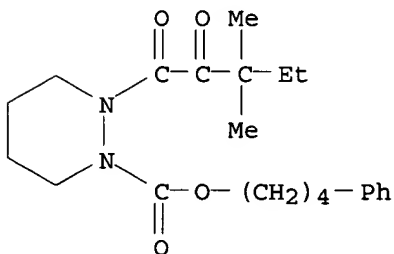
RN 340256-02-2 CAPLUS

CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



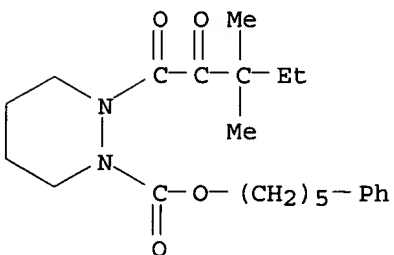
RN 340256-03-3 CAPLUS

CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)



RN 340256-04-4 CAPLUS

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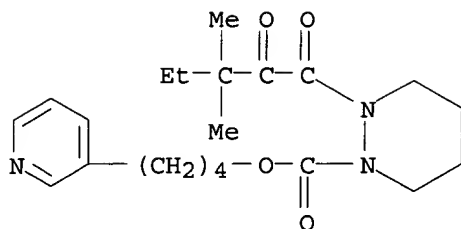


RN 340256-07-7 CAPLUS

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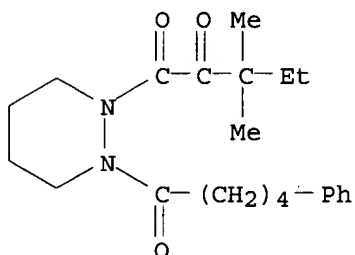


09/ 835,523



RN 340256-09-9 CAPLUS

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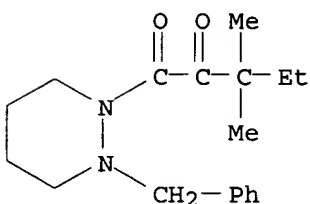
IT 340256-17-9P 340256-19-1P 340256-20-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of N-substituted cyclic aza compds. having neuronal activity)

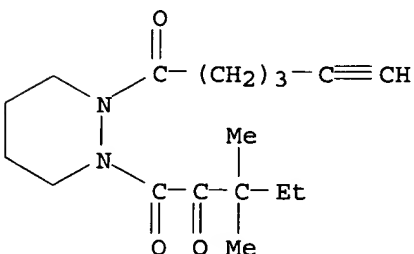
RN 340256-17-9 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



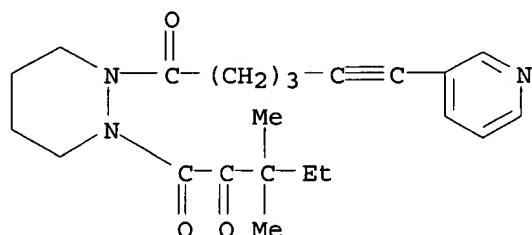
RN 340256-19-1 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-5-hexynyl)- (9CI) (CA INDEX NAME)



RN 340256-20-4 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)-5-hexynyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:780859 CAPLUS

DOCUMENT NUMBER: 135:331433

TITLE: Preparation of cyclic diaza compounds for treating neurodegenerative disorders

INVENTOR(S): Wu, Yong-Qian; Huang, Wei; Hamilton, Gregory S.

PATENT ASSIGNEE(S): GPI NIL Holdings, Inc., USA

SOURCE: PCT Int. Appl., 162 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

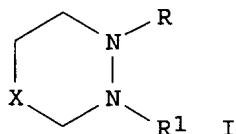
FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001079177	A1	20011025	WO 2001-US12322	20010417
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
✓ US 6417189	B1	20020709	US 2000-551618	20000417
PRIORITY APPLN. INFO.:			US 2000-551618	A 20000417
			US 1999-164950P	P 19991112

OTHER SOURCE(S): MARPAT 135:331433

GI



AB Title compds. [I; X = bond, CH<sub>2</sub>; R = COY(CH<sub>2</sub>)<sub>n</sub>C<sub>6</sub>H<sub>5</sub>, 5-(3-pyridyl)-pent-4-ynoyl, NCCCCCH<sub>2</sub>CH<sub>2</sub>CO, 5-(3-pyridyl)-pentanoyl, 3-(3-pyridyl)-propoxycarbonyl; Y = O, bond; n = 5, 4, 3, 2; R<sub>1</sub> = C<sub>6</sub>H<sub>5</sub>CH<sub>2</sub>SO<sub>2</sub>, (CH<sub>3</sub>CH<sub>2</sub>)(CH<sub>3</sub>)<sub>2</sub>CCOCO, C<sub>6</sub>H<sub>5</sub>CH<sub>2</sub>SO<sub>2</sub>, cyclohexylaminocarbonyl] are prepd. for pharmaceutical compns. comprising such compds. and methods of their use for effecting neuronal activities. Thus, the title compd. I (X = bond; Y = bond; n = 4; R = COY(CH<sub>2</sub>)<sub>n</sub>C<sub>6</sub>H<sub>5</sub>; R<sub>1</sub> = (CH<sub>3</sub>CH<sub>2</sub>)(CH<sub>3</sub>)<sub>2</sub>CCOCO) was prepd. and biol. tested in mice for MPTP model of Parkinson's disease and showed recovery of TH-stained dopaminergic neurons.

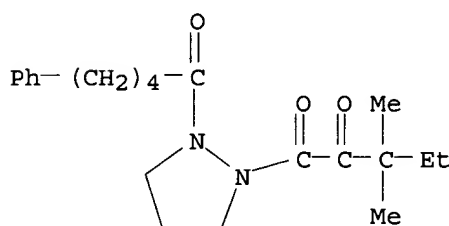
09/ 835,523

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340256-07-7P 340256-09-9P 369390-81-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of cyclic diaza compds. for treating neurodegenerative disorders)

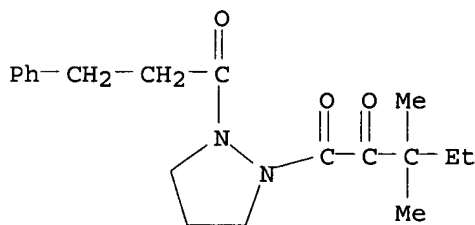
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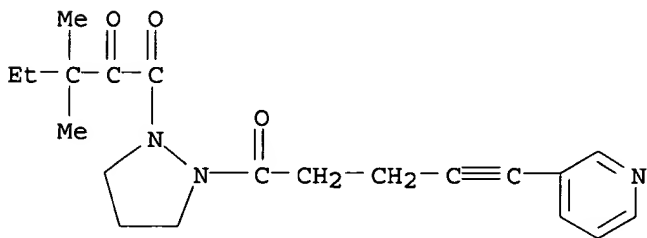
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RN 340255-89-2 CAPLUS

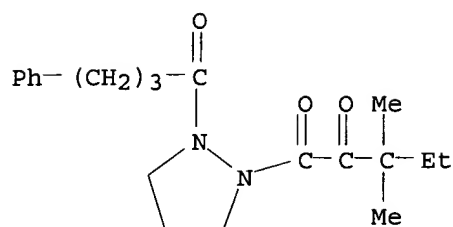
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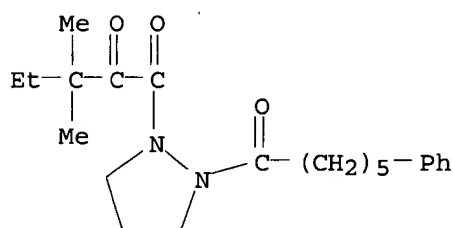
RN 340255-91-6 CAPLUS

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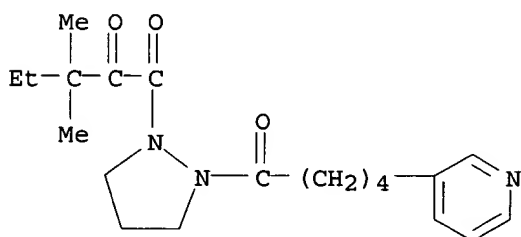
09/ 835,523



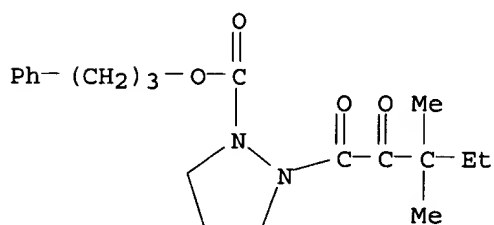
RN 340255-92-7 CAPLUS  
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(9CI) (CA INDEX NAME)



RN 340255-93-8 CAPLUS  
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)pentyl]- (9CI) (CA INDEX NAME)

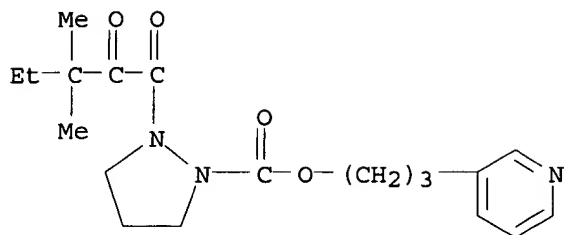


RN 340255-94-9 CAPLUS  
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



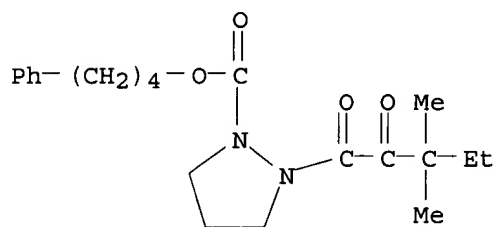
RN 340255-95-0 CAPLUS  
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-(3-pyridinyl)propyl ester (9CI) (CA INDEX NAME)

09/ 835,523



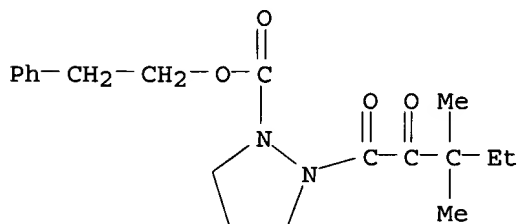
RN 340255-96-1 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)



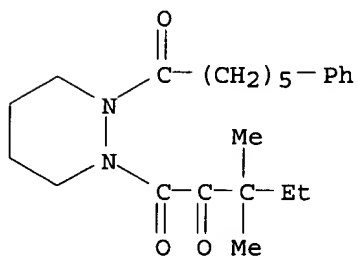
RN 340255-99-4 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 2-phenylethyl ester (9CI) (CA INDEX NAME)



RN 340256-00-0 CAPLUS

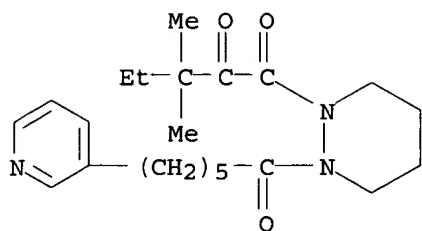
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-phenylhexyl)- (9CI) (CA INDEX NAME)



RN 340256-01-1 CAPLUS

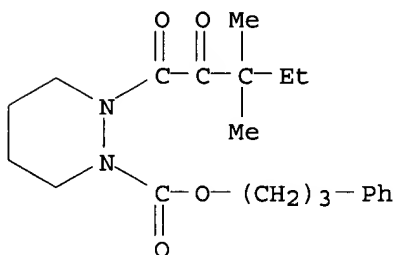
CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)hexyl]- (9CI) (CA INDEX NAME)

09/ 835,523



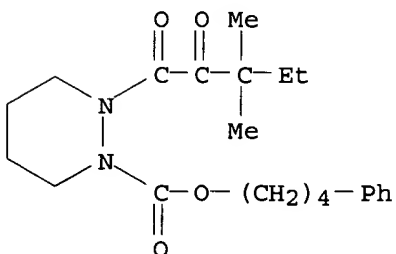
RN 340256-02-2 CAPLUS

CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



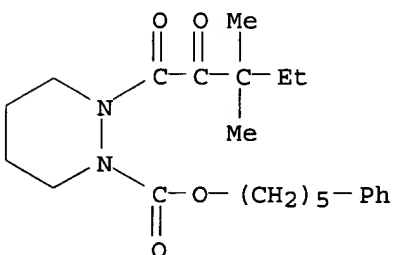
RN 340256-03-3 CAPLUS

CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)



RN 340256-04-4 CAPLUS

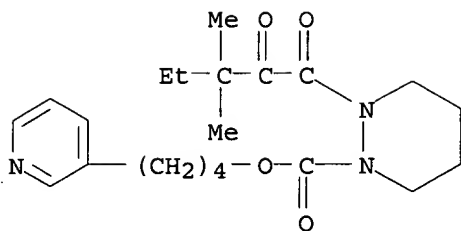
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 5-phenylpentyl ester (9CI) (CA INDEX NAME)



RN 340256-07-7 CAPLUS

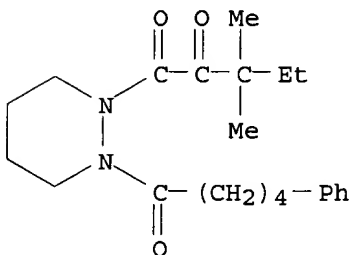
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 4-(3-pyridinyl)butyl ester (9CI) (CA INDEX NAME)

09/ 835,523



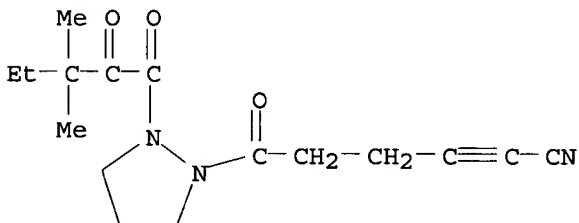
RN 340256-09-9 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-5-phenylpentyl)- (9CI) (CA INDEX NAME)



RN 369390-81-8 CAPLUS

CN Pyrazolidine, 1-(5-cyano-1-oxo-4-pentynyl)-2-(3,3-dimethyl-1,2-dioxopentyl)- (9CI) (CA INDEX NAME)

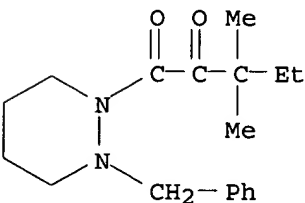


IT 340256-17-9P 340256-19-1P 340256-20-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prepn. of cyclic diaza compds. for treating neurodegenerative disorders)

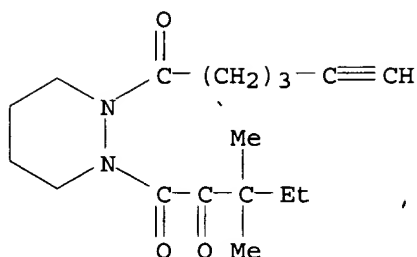
RN 340256-17-9 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(phenylmethyl)- (9CI) (CA INDEX NAME)



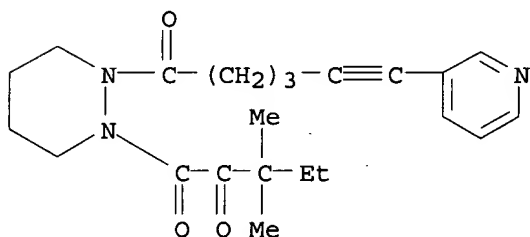
RN 340256-19-1 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-5-hexynyl)- (9CI) (CA INDEX NAME)



RN 340256-20-4 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)-5-hexynyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:380557 CAPLUS

DOCUMENT NUMBER: 134:366884

TITLE: Preparation of N-substituted cyclic aza compounds having neuronal activity

INVENTOR(S): Wu, Yong-Qian; Huang, Wei; Hamilton, Gregory S.

PATENT ASSIGNEE(S): GPI Nil Holdings, Inc., USA

SOURCE: PCT Int. Appl., 105 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

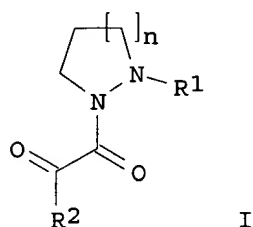
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001036388	A1	20010525	WO 2000-US23603	20000828
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6417189	B1	20020709	US 2000-551618	20000417
PRIORITY APPLN. INFO.:			US 1999-164950P	P 19991112
			US 2000-551618	A 20000417
OTHER SOURCE(S):			MARPAT 134:366884	
GI				





AB The title compds. [I; n = 1-3; R1 = CR3, CO2R3, COR3, etc.; R2, R3 = H, alkyl, alkenyl, etc.; X = O, S], useful for effecting neuronal activities, were prepd. E.g., a multi-step synthesis of I [n = 2; R1 = CO2(CH2)4Ph; R2 = CMe2Et; X = O] was described. Biol. data for compds. I (results of test for rotamase inhibition and MPTP model of Parkinson's disease) were given.

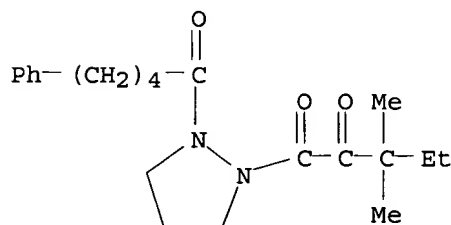
IT 340255-68-7P 340255-88-1P 340255-89-2P  
 340255-90-5P 340255-91-6P 340255-92-7P  
 340255-93-8P 340255-94-9P 340255-95-0P  
 340255-96-1P 340255-99-4P 340256-00-0P  
 340256-01-1P 340256-02-2P 340256-03-3P  
 340256-04-4P 340256-07-7P 340256-09-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of N-substituted cyclic aza compds. having neuronal activity)

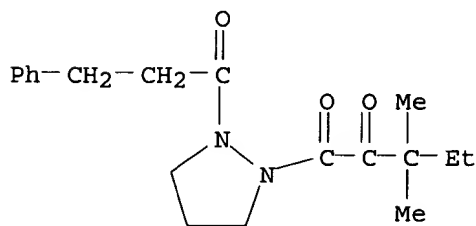
RN 340255-68-7 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-5-phenylpentyl)-  
 (9CI) (CA INDEX NAME)



RN 340255-88-1 CAPLUS

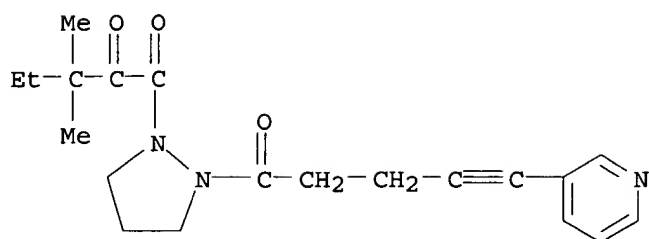
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-3-phenylpropyl)-  
 (9CI) (CA INDEX NAME)



RN 340255-89-2 CAPLUS

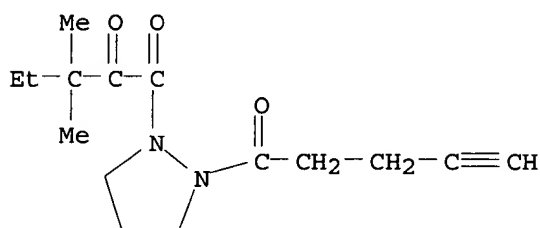
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)-4-pentynyl]- (9CI) (CA INDEX NAME)

09/ 835,523



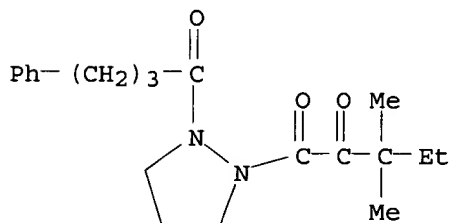
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CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-4-pentynyl)- (9CI)  
(CA INDEX NAME)



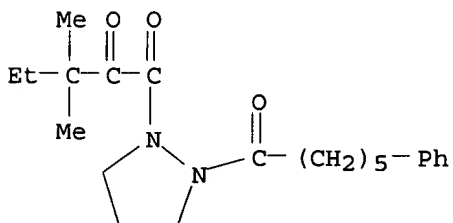
RN 340255-91-6 CAPLUS

CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-4-phenylbutyl)- (9CI) (CA INDEX NAME)



RN 340255-92-7 CAPLUS

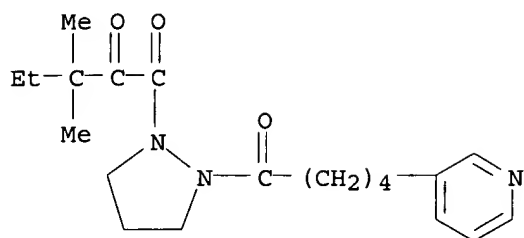
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-(1-oxo-6-phenylhexyl)- (9CI) (CA INDEX NAME)



RN 340255-93-8 CAPLUS

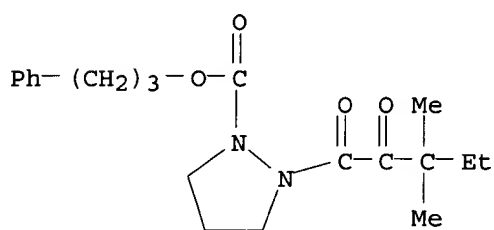
CN Pyrazolidine, 1-(3,3-dimethyl-1,2-dioxopentyl)-2-[1-oxo-5-(3-pyridinyl)pentyl]- (9CI) (CA INDEX NAME)

09/ 835,523



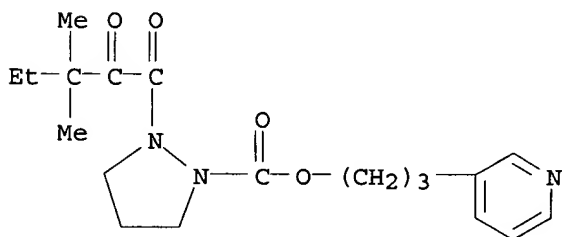
RN 340255-94-9 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



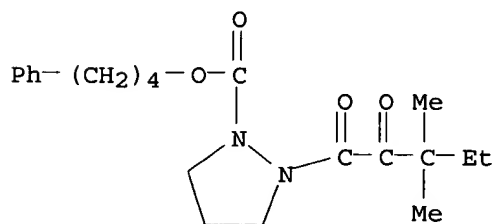
RN 340255-95-0 CAPLUS

CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 3-(3-pyridinyl)propyl ester (9CI) (CA INDEX NAME)



RN 340255-96-1 CAPLUS

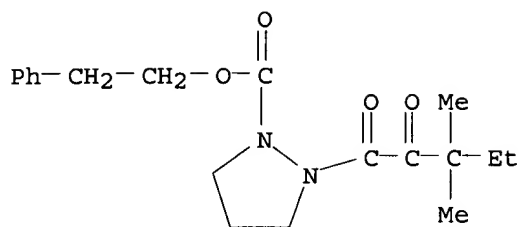
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)



RN 340255-99-4 CAPLUS

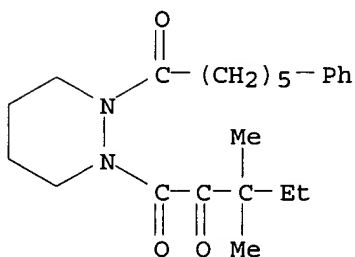
CN 1-Pyrazolidinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)-, 2-phenylethyl ester (9CI) (CA INDEX NAME)

09/ 835,523



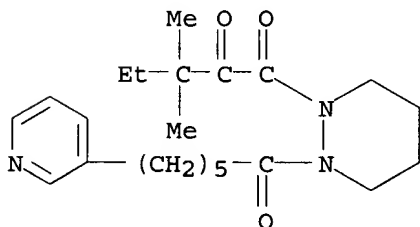
RN 340256-00-0 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-6-phenylhexyl)- (9CI) (CA INDEX NAME)



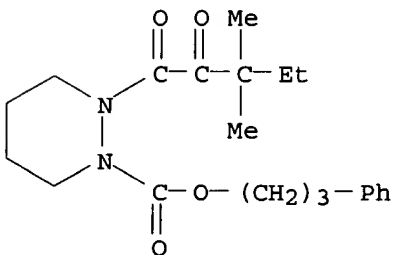
RN 340256-01-1 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)hexyl]- (9CI) (CA INDEX NAME)



RN 340256-02-2 CAPLUS

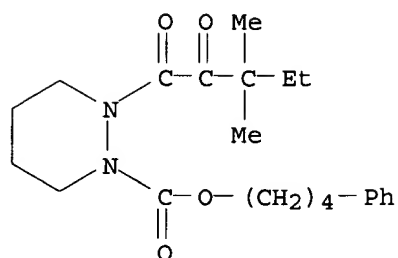
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 3-phenylpropyl ester (9CI) (CA INDEX NAME)



RN 340256-03-3 CAPLUS

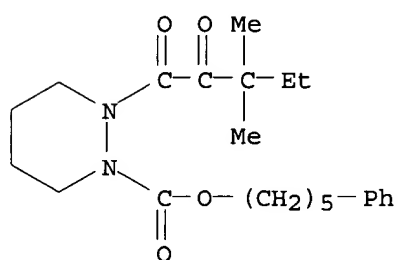
CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 4-phenylbutyl ester (9CI) (CA INDEX NAME)

09/ 835,523



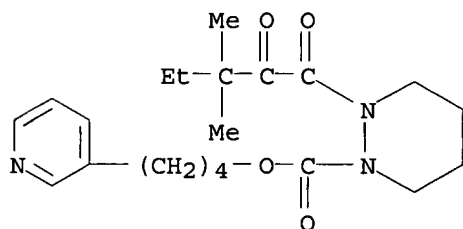
RN 340256-04-4 CAPLUS

CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 5-phenylpentyl ester (9CI) (CA INDEX NAME)



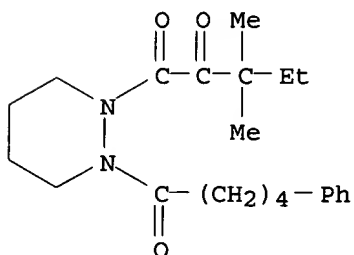
RN 340256-07-7 CAPLUS

CN 1(2H)-Pyridazinecarboxylic acid, 2-(3,3-dimethyl-1,2-dioxopentyl)tetrahydro-, 4-(3-pyridinyl)butyl ester (9CI) (CA INDEX NAME)



RN 340256-09-9 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-5-phenylpentyl)- (9CI) (CA INDEX NAME)



IT 340256-17-9P 340256-19-1P 340256-20-4P

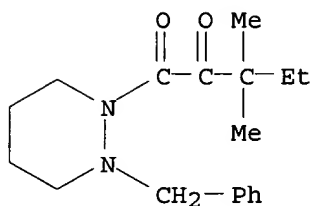
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of N-substituted cyclic aza compds. having neuronal activity)

09/ 835,523

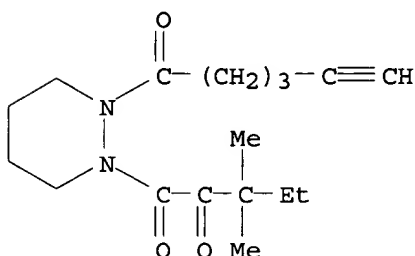
RN 340256-17-9 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(phenylmethyl)-  
(9CI) (CA INDEX NAME)



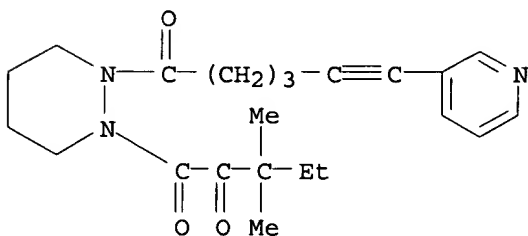
RN 340256-19-1 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-(1-oxo-5-hexynyl)-  
(9CI) (CA INDEX NAME)



RN 340256-20-4 CAPLUS

CN Pyridazine, 1-(3,3-dimethyl-1,2-dioxopentyl)hexahydro-2-[1-oxo-6-(3-pyridinyl)-5-hexynyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:619195 CAPLUS

DOCUMENT NUMBER: 127:339205

TITLE: Silver halide photographic material containing  
precursor for photographically useful compound

INVENTOR(S): Kawagishi, Toshio; Tsukahara, Jiro; Sato, Hideaki;  
Uchida, Osamu; Nakai, Yasushi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 49 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 09244192	A2	19970919	JP 1996-53315	19960311

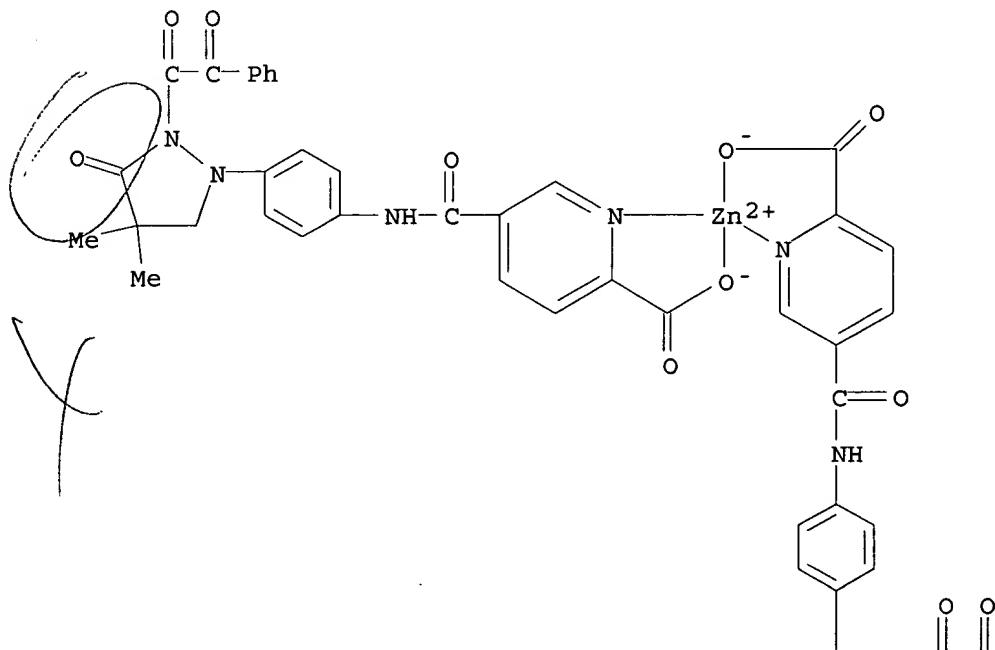
AB Claimed Ag halide photog. material contains a precursor for photog. useful compd. (PUG) (BP-L-LIG)k-M, where BP is the residue of the PUG, L is a bivalent linkage or chem. bond; LIG is multidentated ligand residue; k is an integer of 1-3; and M is selected from Li, B, Mg, Ca, Sc, Ti, Fe, Ni, Cu and Zn. Preferable Ms are Zn and Cu, and preferable BPs are 1-phenyl-3-pyrazolidones blocked at 2- or 3-site. Other PUG includes development inhibitor such as imidazoles, triazoles and tetrazoles, and development accelerator such as hydrazine derivs. The precursor has adequate preprocessing storage stability, while with rapid release of BP at the development stage. The precursor is suitable incorporated in multilayer color neg. films. Thus, Zn chelate of bis[1-[p-(3-carboxy-4-hydroxy-benzoylamino)phenyl]-2-(2-aceto-2,2-dimethyl-aceto)-4,4-dimethyl-3-pyrazolidone] was incorporated in a multilayer color neg. film to provide the mentioned advantages.

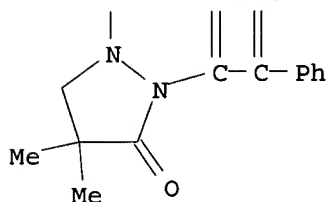
IT **197863-41-5P**  
 RL: DEV (Device component use); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)  
 (photog. material contg. precursor for photog. useful compd. having good storage stability)

RN 197863-41-5 CAPLUS

CN Zinc, bis[5-[[[4-[4,4-dimethyl-3-oxo-2-(oxophenylacetyl)-1-pyrazolidinyl]phenyl]amino]carbonyl]-2-pyridinecarboxylato-.kappa.N1,.kappa.O2]-, (T-4) - (9CI) (CA INDEX NAME)

PAGE 1-A



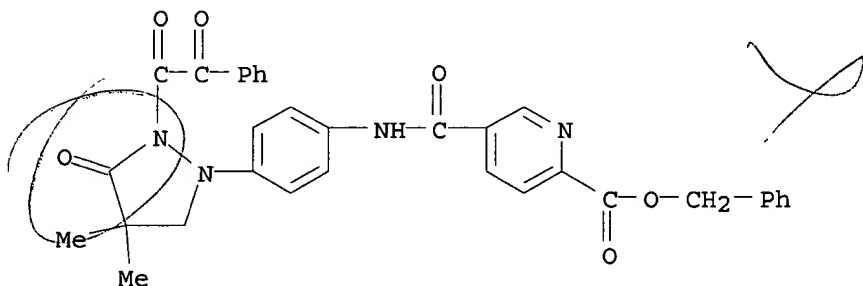


IT 197863-48-2P

RL: PNU (Preparation, unclassified); RCT (Reactant); PREP (Preparation);  
RACT (Reactant or reagent)

(prepn. and reaction of; precursor for photog. useful compd. from)

RN 197863-48-2 CAPLUS

CN 2-Pyridinecarboxylic acid, 5-[[[4-[4,4-dimethyl-3-oxo-2-(oxophenylacetyl)-  
1-pyrazolidinyl]phenyl]amino]carbonyl]-, phenylmethyl ester (9CI) (CA  
INDEX NAME)

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:570816 CAPLUS

DOCUMENT NUMBER: 115:170816

TITLE: Heat-developable light-sensitive material

INVENTOR(S): Taguchi, Toshiki; Nakamine, Takeshi; Ito, Takayuji;  
Nakamura, Koki; Mikoshiba, Hisashi

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 99 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 418743	A2	19910327	EP 1990-117690	19900913
EP 418743	A3	19910515		
R: DE, FR, GB, IT, NL				
JP 03102345	A2	19910426	JP 1989-240963	19890918
JP 03131848	A2	19910605	JP 1989-269556	19891017
JP 2612206	B2	19970521		
JP 03160443	A2	19910710	JP 1989-301076	19891120
JP 2612207	B2	19970521		

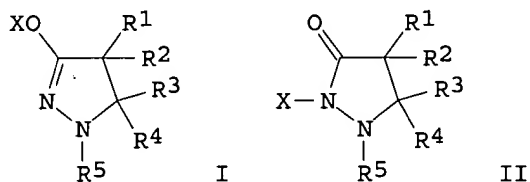
PRIORITY APPLN. INFO.:

JP 1989-240963	19890918
JP 1989-269556	19891017
JP 1989-301076	19891120

OTHER SOURCE(S): MARPAT 115:170816

GI





AB The title material comprises photosensitive Ag halide, a binder, and a reducing agent having a m.p.  $\leq 120^\circ\text{C}$  and a mol. formula I or II [R1-R4 = H, alkyl, aryl, heterocyclic group; R5 = aryl, heterocyclic group; x = alkyl acyl, alkoxycarbonyl, aryloxycarbonyl, carbamoyl, sulfamoyl, diketone, hydrobenzofuranone deriv.]. A color photog. material for heat development comprises a dye precursor and an electron donor from a glyoxylic acid Ph ester deriv. or a carboxylic acid Ph ester deriv. The material has excellent shelf life and is capable of obtaining images having good discrimination.

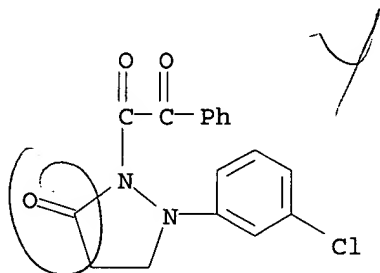
IT **136468-25-2**

RL: USES (Uses)

(reducing agent, heat-developable photog. material contg.)

RN 136468-25-2 CAPLUS

CN 3-Pyrazolidinone, 1-(3-chlorophenyl)-2-(oxophenylacetyl)- (9CI) (CA INDEX NAME)



L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1987:119880 CAPLUS

DOCUMENT NUMBER: 106:119880

TITLE: 7-Substituted bicyclic pyrazolidinones, their preparation, and their use as antibacterials

INVENTOR(S): Jungheim, Louis Nikolaus; Sigmund, Sandra Kay; Holmes, Richard Elmer; Barnett, Charles Jackson; Ternansky, Robert John

PATENT ASSIGNEE(S): Lilly, Eli, and Co., USA

SOURCE: Eur. Pat. Appl., 337 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

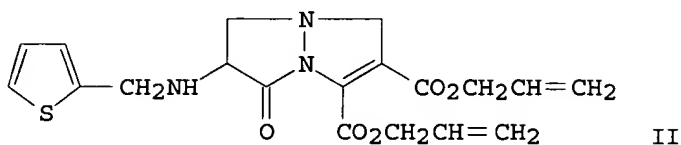
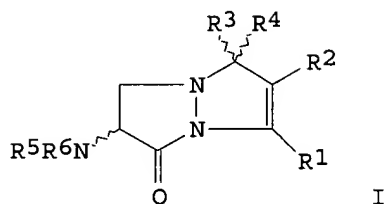
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 202046	A1	19861120	EP 1986-303174	19860428
EP 202046	B1	19910130		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
CN 86103619	A	19861029	CN 1986-103619	19860428
AU 8656755	A1	19861113	AU 1986-56755	19860428

DK 8601930	A	19870120	DK 1986-1930	19860428
HU 40660	A2	19870128	HU 1986-1763	19860428
ZA 8603170	A	19871230	ZA 1986-3170	19860428
ES 554463	A1	19880216	ES 1986-554463	19860428
CA 1274832	A1	19901002	CA 1986-507777	19860428
AT 60605	E	19910215	AT 1986-303174	19860428
JP 61254589	A2	19861112	JP 1986-100817	19860430
JP 07059582	B4	19950628		
US 4716232	A	19871229	US 1986-862913	19860514
US 4734505	A	19880329	US 1986-862909	19860514
US 4734504	A	19880329	US 1986-862918	19860514
JP 63112583	A2	19880517	JP 1986-258084	19861028
US 4795815	A	19890103	US 1987-114897	19871029
ZA 8802604	A	19891227	ZA 1988-2604	19880413
US 4940718	A	19900710	US 1989-418782	19891002
US 5011938	A	19910430	US 1990-503574	19900403

PRIORITY APPLN. INFO.:

US 1985-729021	19850430
EP 1986-303174	19860428
US 1986-862906	19860514
US 1986-862916	19860514
US 1987-42196	19870423
US 1987-103488	19870930
US 1989-418782	19891002

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AB The title compds. I [1 of R1, R2 = H, halo, C1-6 (un)substituted alkyl, perfluoro C2-4 alkyl, C7-12 (un)substituted aralkyl, (un)substituted Ph, heterocyclyl, NO2, cyano, CX3 (X = F, Cl, Br, iodo), S(O)<sub>z</sub>R7 [z = 0-2; R7 = C1-6 (un)substituted alkyl, Ph, C7-12 arylalkyl, heterocyclyl], COR8 [R8 = H, C1-6 (un)substituted alkyl, perfluoro C2-4 alkyl, CC13, etc.], CO2R9 [R9 = H, cation, C1-6 (un)substituted alkyl, etc.], PO3(R10)<sub>2</sub> [R10 = H, cation, C1-6 (un)substituted alkyl, etc.], CH2N+.tplbond.Q (N+.tplbond.Q = quaternary ammonium group), heterocyclylthiomethyl, OR11 [R11 = H, C1-6 (un)substituted alkyl, etc.], NR12R13 [R12, R13 = H, C1-6 (un)substituted alkyl, etc.], CO2R14 (R14 = C1-6 alkyl, C7-12 arylalkyl, Ph); the other of R1, R2 = CO2R15 (R15 = cation, CO2H-protecting group, non-toxic, metabolically labile ester-forming group; R3, R4 = H, C1-6 (un)substituted alkyl, C7-12 (un)substituted arylalkyl, (un)substituted Ph, CO2R9; R5, R6 = H, amino protecting group, C1-30 acyl; at least 1 of R5, R6 = H; R5R6N = phthalimido] and their pharmaceutically acceptable salts, useful as antibacterials (no data), were prepd. Me 3-hydroxy-2(S)-(tert-butoxycarbonylamino)propionate was tosylated and the product cyclocondensed with N2H4 to give 48% 4(R,S)-(tert-butoxycarbonylamino)-3-oxo-1-pyrazoline. Treatment with 37% aq. HCHO gave the 1-methylenepyrazolidinium ylide, which underwent cycloaddn. with diallyl

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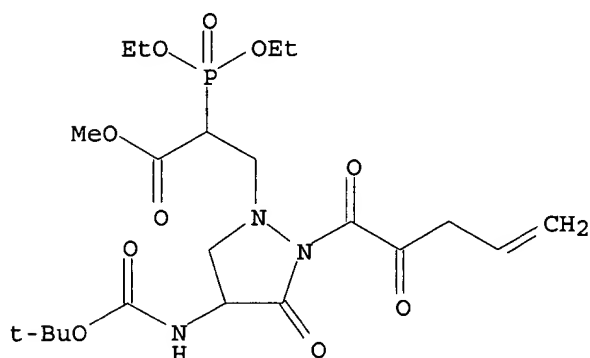
butyriedioate to give 32.8% diallyl 7(R,S)-(tert-butoxycarbonylamino)-8-oxo-1,5-diazabicyclo[3.3.0]oct-2-ene-2,3-dicarboxylate. This was deprotected and the free amino group acylated with 2-thienylacetyl chloride to give 62% 7(R,S)-II.

IT 106892-69-7P 106892-71-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)  
(prepn. and cyclization of)

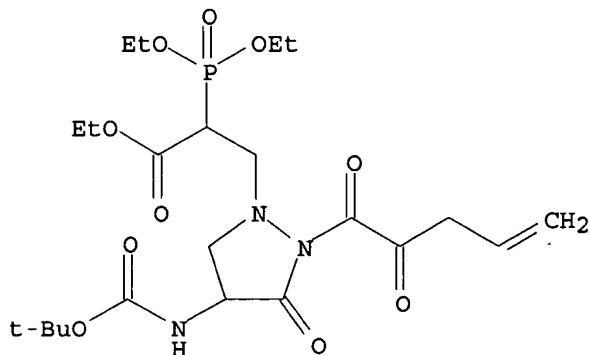
RN 106892-69-7 CAPLUS

CN 1-Pyrazolidinepropanoic acid, .alpha.-(diethoxyphosphinyl)-4-[[ (1,1-dimethylethoxy)carbonyl]amino]-2-(1,2-dioxo-4-pentenyl)-3-oxo-, methyl ester (9CI) (CA INDEX NAME)



RN 106892-71-1 CAPLUS

CN 1-Pyrazolidinepropanoic acid, .alpha.-(diethoxyphosphinyl)-4-[[ (1,1-dimethylethoxy)carbonyl]amino]-2-(1,2-dioxo-4-pentenyl)-3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 15:55:33 ON 13 AUG 2002)

FILE 'REGISTRY' ENTERED AT 15:56:05 ON 13 AUG 2002

L1 STRUCTURE UPLOADED

L2 2 S L1

L3 27 S L1 FUL

FILE 'CAPLUS' ENTERED AT 15:56:49 ON 13 AUG 2002

L4 6 S L3

09/ 835,523

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

26.73

167.22

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.72

-3.72

STN INTERNATIONAL LOGOFF AT 15:57:27 ON 13 AUG 2002